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TECHNOLOGY INTEGRATION IN EDUCATION: A CATALYST FOR TRANSFORMING LEARNING - THE NEW EDUCATION POLICY 2020 PERSPECTIVE

¹Ms. Anjali Kumari, ²Dr. Shalini Nigam ¹Research Scholar, ²Professor Department of Management Dayalbagh Educational Institute, Agra India

Abstract:

Technology integration in education has become a key factor in educational reform across the globe. The New Education Policy (NEP) of 2020 in the Indian context is a ground-breaking plan that anticipates a thorough change of the educational landscape with technology at its core. This abstract explores the mutually beneficial relationship between technological integration and the NEP 2020, detailing the goals, plans, and expected results of the policy. The NEP 2020 adopts a learner-centric philosophy that takes into account the evolving requirements of the twenty-first century. It aims to develop an inclusive, adaptable, and technologically driven educational ecosystem that accommodates various learning preferences and encourages the development of critical thinking, creativity, and problem-solving abilities from an early age. This abstract looks at how technology might help with these goals by facilitating personalised learning opportunities, adaptive assessments, and data-driven decision-making. In addition, the NEP 2020 encourages the creation of digital infrastructure, guaranteeing universal access to technology. In order to improve accessibility and eliminate linguistic obstacles, the strategy promotes the production of digital material in a variety of Indian languages. Platforms and tools for educational technology (EdTech) are essential elements that give teachers new ways to distribute content and engage students in active learning.

Keywords: Technology, Integration, NEP, Higher Education, Framework

Introduction to Indian Education System

Education is a fundamental pillar of any society, shaping the future of its citizens and serving as a cornerstone for personal and societal development. In India, education has always held great significance, and its evolution has been guided by various policies and reforms. One of the most significant and recent developments in the realm of Indian education is the introduction of the New Education Policy (NEP) in 2020.

The New Education Policy 2020 is a comprehensive and transformative blueprint that envisions the future of education in India. It represents a fundamental shift in the way education is perceived, designed, and delivered in the country. This policy is a response to the changing needs of a rapidly evolving world, where knowledge, skills, and adaptability are crucial for individual and national progress.

The NEP 2020 addresses several key aspects of education, including school education, higher education, vocational education, and teacher training. It aims to promote holistic development, inclusivity, flexibility, and innovation in the education system. The policy recognizes the importance of technology integration, multilingualism, and a learner-centric approach to education.

One of the fundamental principles of the NEP 2020 is the emphasis on a 5+3+3+4 curricular structure, which replaces the existing 10+2 system. This new structure focuses on early childhood education, foundational learning, and the development of critical thinking skills from an early age.

Furthermore, the NEP 2020 seeks to promote interdisciplinary studies, flexibility in course selection, and the integration of vocational education into mainstream curricula. It also emphasizes the importance of research and innovation in higher education, aiming to establish India as a global knowledge hub.

Inclusivity is another cornerstone of the NEP 2020, with an emphasis on addressing the needs of diverse learners, including those with disabilities. The policy also recognizes the importance of promoting Indian languages and culture, while simultaneously encouraging global exposure and international collaborations.

Technology Integration with Respect NEP2020

The integration of technology in education is a critical component of the New Education Policy (NEP) in India, which was approved in 2020. The NEP envisions a holistic and learner-centric education system that leverages technology to enhance access, quality, and flexibility in education. Here are some key aspects of technology integration in education with reference to the NEP:

- 1. **Digital Infrastructure:** The NEP emphasizes the development of digital infrastructure, including high-speed internet connectivity, in schools and higher education institutions. This infrastructure is essential for enabling the effective use of technology in education.
- Online and Blended Learning: The NEP recognizes the importance of online and blended learning models. It
 encourages the creation of digital content, e-books, and educational resources to support both classroom teaching
 and self-paced learning. This enables students to access quality education regardless of their geographical
 location.

- 3. EdTech Platforms: The NEP encourages the development and adoption of EdTech platforms and tools to enhance the teaching and learning process. These platforms can offer personalized learning experiences, assessment tools, and analytics to track student progress.
- 4. **Teacher Training:** The policy acknowledges the need for teacher training in digital literacy and the effective use of technology in teaching. Training programs aim to empower educators with the skills to integrate technology seamlessly into the curriculum.
- 5. **Multilingual E-content:** The NEP promotes the development of digital content in various Indian languages to ensure inclusivity and access for students from diverse linguistic backgrounds.
- 6. AI and Machine Learning: The NEP recognizes the potential of artificial intelligence (AI) and machine learning (ML) in personalized learning, adaptive assessments, and data analytics for educational decision-making. It encourages research and innovation in these areas.
- 7. Virtual Labs and Simulations: Virtual labs and simulations are encouraged to provide students with hands-on learning experiences in subjects like science and engineering, where physical labs may not be accessible to all.
- 8. **Open Educational Resources** (**OER**): The NEP encourages the creation and sharing of open educational resources, which are freely accessible to all. This reduces the cost of textbooks and other learning materials.
- 9. Assessment and Examinations: Technology-driven assessment methods, such as computer-based testing and online examinations, are promoted to make assessments more efficient and transparent.
- 10. **Data Security and Privacy:** Given the increased use of technology, the NEP emphasizes the importance of data security and privacy in educational institutions to protect students' information.
- 11. Flexible Learning Pathways: The NEP envisions flexible learning pathways that allow students to choose a mix of in-person and online courses. This approach promotes lifelong learning and skill development.
- 12. Community Engagement: Technology is leveraged to foster community engagement in education through platforms that connect parents, teachers, and students, facilitating a collaborative learning environment. Review of Literature

T I, Manish(2023)This essay examines four case studies of outcome-based instruction in medical schools from Scotland, the United States, Pakistan, and Singapore. These case studies describe medical programmes that have implemented outcome-based curricula, are in the midst of doing so, or are looking at suggestions for them. The document contains information on the educational outcomes that have been established, the strategies for putting the outcome-based approach into practise, and the advancements made at each institution. Additionally, it looks at how each medical school has incorporated outcome-based learning, highlighting key elements for effective implementation.

Kumar, Deep and Singh, Madhu(2022) The NEP brings together all of these different methods for instructing children who have disabilities. On the one hand, the policy sees a disability as a personal issue that needs to be "rehabilitated" and "mitigated" in order to promote inclusion for kids with impairments. It also discusses the issue of barrier-free access, promotes the development of a system of education that enables kids with and without disabilities to attend classes together, and lays out a strategy for including kids with disabilities in the

curriculum and evaluation. These don't seem to be in-depth analyses of contemporary norms and how they contribute to ableism, but rather afterthoughts that retroactively address the "problem of disability."

Samtani, Shubh and Bhagavatula, Suresh,(2022) To update our schools and related infrastructure, a sizable investment will need to be made in the education sector to support NEP 2020's policies and programmes. If the strategy is not supported by the necessary improvement in teachers' abilities, facilities in schools, and effective governance, it will not reform education. We need a framework that provides transparency and accountability of the results, not just in terms of the proportion of kids enrolled in the education system, but also keeps track of kids' experiences and general employability preparedness as the cornerstone of our school system. In order for the country's young to surpass India in the twenty-first century, they must be given a strong educational foundation from an early age.

Gupta, Pratibha Bundela and Gupta, B L(2022)The framework for leadership responsibilities and competences offered in this study was built on the requirements of the National Education Policy 2020 as well as research into the field and the authors' own experiences. In order to design and carry out the adjustments, five senior faculty members who work in higher education have confirmed these duties and abilities. Roles and competencies are established at the governor and head, senior professor, and associate professor levels. All duties and talents are defined in the context of innovation, reform, and substantial change.

M, Shashidharan and Bansal, Rajni and Hothi, Dr B S and Athavale, Vijay Anant and Mahajan, Yogesh and Anwar, Shameem(2021)This national education programme is altering the conventional educational model used in K–12 and higher education. The National Education Policy 2020 was approved by the Union Cabinet, which is led by Prime Minister Shri. Narendra Modi. The Old National Education Policy, which is 34 years old, needs to be changed in order for China to be more globally competitive. The policy does a good job of covering the five crucial categories of accessibility, equality, quality, affordability, and accountability. The Sustainable Development Goals of the 2030 Agenda of the United Nations have been used to evaluate the National Education Policy. India's educational system is being changed under the National Education Policy to become one that is adaptable enough to compete on a global level.

Chandra, Abhilash(2021)The purpose of this essay is to evaluate the impacts of NEP. The objectives include understanding the background of policies that have impacted the education industry as well as the mission, values, and analysis of primary data for the NEP. The paper discusses the challenges faced by changes in educational policy, without which the new learning dimension will suffer.

Majid, I. &Kouser, S. (2020). The educational system is thought to be incomplete without higher education. India's higher education system is constantly being improved. The Indian government launched NPE 1986 after learning about the needs of the current generation. There were suggestions made to enhance how higher education functions. While some of the advice was followed, several other things were ignored. In 2016, the GOI unveiled yet another education strategy in an effort to close this disparity. The areas where the earlier policy fell short received special focus in the new policy. In this study, the NPE guidelines for higher education from 1986 and 2016 are evaluated. It examines ideas in light of many aspects of higher education.

Nand, Ramanand(**2020**)The National Educational Policy is one of our era's most innovative and well-known literary works. The manifesto offers hope for the revival of our educational system and stimulates the development of a "New India". The NEP-2020 has been effective in finding a balance between the demands of today and the challenges of tomorrow. NEP is aware of the importance of us continuing our education. But we also need to improve our educational system, which still has a lot of issues including outdated curricula, insufficient facilities, pedagogical issues, a culture that inhibits innovative research, etc. The concerns raised in this policy document have all been thoroughly covered by NEP-2020.

Shetty, Kashvi and Mishra, Pranjal(2020)In this paper, the specific issue of how successfully and fairly the NEP has used AI systems and technologies will be explored. Additionally, it would investigate if the NEP encourages the use of more advanced technologies, improves the effectiveness of academic endeavours, accepts cultural differences, and, most importantly, strives to bridge the country's digital divide.

Puri, Natasha(2019)The study's recommendations for the K–12 educational system include reviews of the effectiveness of various Indian educational systems, enhancement and promotion of vocation, baseline rankings of schools across parameters for better awareness of infrastructure and teaching facilities, standardisation of teacher training, a focus on teaching students life skills through experiential learning and subject diversity, and standardisation of teacher training.

Aithal, P. S. and Aithal, Shubhrajyotsna(2019) This study analyses significant material from the preceding few years on Indian higher education policies and their effects, notable characteristics, and their focus on the current issue of National Education Policy 2019 by content analysis. The study highlights the draft's several policies, with an emphasis on the higher education section, and compares them to preceding policies. The analysis examines the probable effects of the NEP 2019 plan on private and public HEIs in terms of facilities and constraints. The benefits and drawbacks of the new policy are discussed in regard to various stakeholders. The right suggestions are made to put the policy into practise, make it perfect and effective from the public's perspective, and for the success of the nation.

Kundu, Arnab. (2018). This study looks at the challenges that students, teachers, and administrators in India have encountered when attempting to use information and communication technologies (ICTs) for teaching and learning. Additionally, it offers some sound advice on how to proceed in order to successfully integrate ICTs into rural education. The biggest opportunity exists in rural areas, where using digital media could have tremendous advantages. Digital education would increase collaboration among students across all fields, among other factors. Self-paced and on-demand learning would gain popularity in the future. A number of significant recommendations are made in the paper for improving and enabling ICT education in India, particularly in the vast rural India.

Kundu, Arnab. (2018). This study focuses on how Indian school teachers see their increased responsibilities and if they are amenable to employing educational technology. To achieve this goal, a case study was launched with 175 elementary and secondary school teachers from a variety of schools in the Indian state of West Bengal. The results demonstrate that teachers were more inclined to employ technology in the classroom when they supported

the facilitator and delegator roles. This study also underlines the cultural difficulties Indian instructors encounter when implementing ET and draws similarities with other industrialised western countries that have made great strides in subject-matter development.

Thakran, A., & Sharma, R. (2016) This article examines how open educational resources (OER) could aid India's higher education system in resolving issues including unequal access by area and a shortage of highly educated teachers. The authors examine and discuss some OER initiatives that are assisting India in its efforts to create strong institutional mechanisms to address the educational difficulties the country is currently confronting through a national strategic framework meant to enhance access to high-quality higher education. The authors look at several initiatives aimed at increasing access to education using OER as well as those aimed at educating instructors about OER. The article's conclusion discusses the effects of these actions on the expansion of open educational practises in India.

Need of study

Research can be used to determine how well ICT initiatives promote inclusivity, a key component of the NEP. It is also vital to assess how prepared educational institutions are in terms of digital infrastructure, teacher development, and the accessibility of content in many languages. Evaluating the impact of ICT on learning outcomes, pedagogical tactics, and creative practises is vital to ascertain whether technology is genuinely benefiting the educational process. In addition, safeguarding data security and privacy in the digital learning environment is essential, in keeping with the NEP's dedication to safeguarding student data.

Objectives of the Study

To know the status of ICT enabled services in context of NEP 2020

To identify the barrier facing due to ICT in Education under NEP 2020

To give necessary suggestion for overcoming the barrier under NEP 2020

Key Initiatives Related To ICT In Education Under NEP 2020

JUCR The National Education Policy (NEP) 2020 in India emphasized the integration of Information and Communication Technology (ICT) in education to enhance the quality and accessibility of education. Several government initiatives and provisions were outlined under NEP 2020 to promote ICT in education in India. Please note that there may have been developments and changes in these initiatives since then. Here are some key initiatives related to ICT in education under NEP 2020:

- 1. **Digital Infrastructure:** NEP 2020 aims to provide high-speed internet connectivity and digital infrastructure to all schools and higher education institutions in a phased manner. This includes the creation of digital classrooms and smart classrooms.
- 2. Digital Content and Resources: The policy promotes the development and distribution of high-quality digital content and e-resources. This content is intended to be available in multiple languages and free of cost to students and teachers. Open educational resources (OERs) are also encouraged.

- Online Education Platforms: NEP 2020 encourages the use of online education platforms and Learning Management Systems (LMS) for content delivery and assessment. This is especially significant in the context of remote and blended learning.
- 4. **Teacher Training:** The policy highlights the need for training teachers in the effective use of ICT tools and digital resources. Teacher education programs are expected to include modules on digital pedagogy.
- 5. National Educational Technology Forum (NETF): The creation of NETF is proposed to provide a platform for the exchange of ideas and best practices in educational technology. It aims to facilitate collaboration among various stakeholders in the field of ICT in education.
- 6. Virtual Labs: NEP 2020 promotes the use of virtual labs, particularly in science and technical education, to enhance practical learning experiences. Virtual labs can help students conduct experiments in a digital environment.
- 7. Equity and Inclusion: The policy emphasizes bridging the digital divide and ensuring equitable access to ICT resources, especially for students in remote and disadvantaged areas. Measures may include providing devices and internet connectivity to underserved students.
- Assessment and Monitoring: Digital assessment tools and techniques are encouraged for effective evaluation of students' learning outcomes. Data analytics and monitoring mechanisms are expected to be implemented to track the impact of ICT in education.
- 9. **Research and Development:** NEP 2020 supports research and development efforts in educational technology to foster innovation and adapt ICT tools for diverse learning needs.
- 10. **Collaboration with Industry:** Collaboration with technology companies and industry partners is encouraged to leverage their expertise and resources for the advancement of ICT in education.

Challenges In Implementation Offict Enabled Education

The implementation of Information and Communication Technology (ICT)-enabled education faces several challenges, which can vary depending on the context and infrastructure of a given region. Here are some common challenges:

- 1. **Digital Divide:** One of the most significant challenges is the digital divide, where not all students have access to the necessary devices (computers, tablets, smartphones) and reliable internet connectivity. This inequality in access can exacerbate educational disparities.
- 2. **Infrastructure:** Inadequate digital infrastructure, including insufficient internet connectivity and outdated hardware, can hinder the effective use of ICT in education. Rural and remote areas often face greater infrastructure challenges.
- 3. **Teacher Training:** Teachers may lack the necessary digital literacy and training to effectively integrate technology into their teaching methods. Training programs are essential but can be resource-intensive and time-consuming.

- 4. **Content Quality:** Ensuring the availability of high-quality digital educational content that aligns with the curriculum and meets pedagogical standards is a challenge. Many digital resources may not be tailored to local contexts.
- 5. **Costs:** Implementing ICT-enabled education can be expensive, encompassing costs for devices, software, connectivity, maintenance, and training. Managing these costs can be a substantial challenge for schools and educational institutions.
- 6. **Technical Support:** Providing ongoing technical support for teachers, students, and administrators is crucial. Addressing technical issues promptly can be a challenge, especially in areas with limited IT expertise.
- 7. Security and Privacy: Safeguarding student data and ensuring online safety is a priority. Ensuring that educational platforms and tools are secure and comply with privacy regulations can be complex.
- 8. **Pedagogical Shift:** Integrating technology effectively often requires a significant shift in pedagogical approaches. Teachers need to adapt their teaching methods to make the best use of ICT, which can be a challenging transition.
- 9. Cultural and Language Barriers: ICT-enabled education may not always align with local cultures and languages. Ensuring that digital resources are culturally sensitive and available in multiple languages can be challenging.
- 10. Sustainability: Maintaining and updating technology infrastructure and content over the long term can be challenging. Ensuring that ICT-enabled education remains sustainable and relevant is an ongoing concern.
- 11. Assessment and Evaluation: Developing effective methods for assessing and evaluating student progress in an ICT-enabled environment can be complex. Traditional assessment methods may need to be adapted or supplemented.
- 12. Equity Concerns: While ICT can enhance learning for many students, there is a risk of exacerbating educational inequalities if access and support are not equitable. Ensuring that ICT benefits all students equally is a significant challenge.

Suggestions For Improving The Implementation Of ICT In Education

Effective implementation of Information and Communication Technology (ICT) in education requires a thoughtful and strategic approach. Here are several suggestions for improving the implementation of ICT in education:

- 1. Infrastructure Development:
- Invest in robust digital infrastructure, including high-speed internet access in schools and educational institutions, particularly in underserved areas.
- Ensure schools have an adequate number of devices, such as computers or tablets, and maintain them regularly.
- Implement policies that support affordable access to digital devices and internet connectivity for students and teachers.

2. Teacher Training and Professional Development:

- o Develop comprehensive training programs to enhance digital literacy and pedagogical skills among teachers.
- Provide ongoing professional development opportunities for educators to keep up with technological advancements and innovative teaching methods.

3. Digital Content Creation and Curation:

- Encourage the development and sharing of high-quality digital educational content, including e-books, videos, interactive simulations, and open educational resources (OER).
- Establish platforms for teachers and experts to curate and review digital content to ensure relevance and quality.
- 4. Customized Learning:
- Implement adaptive learning technologies that tailor content and learning experiences to individual student needs.
- Support blended learning models that combine traditional and digital approaches to cater to diverse learning styles.
- 5. Data Security and Privacy:
- Develop and enforce robust data security and privacy policies to protect student information and comply with relevant data protection regulations.
- Raise awareness among students, parents, and educators about safe online practices.

6. Affordability and Accessibility:

- Explore cost-effective solutions, such as low-cost devices and internet access subsidies, to bridge the digital divide.
- Promote digital inclusion by ensuring accessibility features for learners with disabilities.

7. Monitoring and Evaluation:

- Establish mechanisms to monitor the effectiveness of ICT implementation in education.
- Collect and analyze data on student performance and engagement to inform decision-making and improvements.

8. Local Content and Multilingualism:

- Prioritize the creation and availability of digital content in local languages and dialects to make education more inclusive.
- \circ Encourage the incorporation of indigenous knowledge and culture into digital resources.
- 9. Community Engagement:
- Involve parents and communities in the educational process by providing them access to educational content and tools.
- Encourage partnerships with local organizations, businesses, and NGOs to support ICT initiatives.

10. Government Policies and Funding:

- o Develop clear policies and strategies for ICT integration in education, with a focus on long-term sustainability.
- Allocate adequate financial resources and funding for ICT initiatives and their maintenance.

11. Research and Innovation:

- Promote research on the impact of ICT in education to continually refine and improve implementation strategies.
- o Support innovation hubs and collaborations to develop cutting-edge educational technologies and practices.

12. Scalability and Replicability:

- Identify successful ICT implementations and models that can be scaled up or replicated in other regions.
- Share best practices and lessons learned among educational stakeholders.

Conclusion

Future ICT-based education's path will be determined by a number of critical factors, such as the expansion of broadband adoption, the availability of web-enabled and mobile-compatible learning resources, and consumer interest in digital learning. In terms of the first component, the government is building the necessary infrastructure quickly and aggressively to offer universal internet access. However, consumers in urban areas have already gone through the initial stages of exposure to digital education and have honed a critical eye when choosing online resources to support conventional classroom learning. Urban residents have gained valuable knowledge and are now more suited to select the top digital learning resources to support their offline learning. Rural areas hold the most promise for digital education because of all the advantages it could offer. Digital format adoption has the potential to significantly impact a number of domains. One of the surprising outcomes of digital education amongst students from different demographic groups. The expansion of self-paced and on-demand learning is expected to accelerate in the future. This research offers significant recommendations for enhancing and facilitating ICT-based education in India, particularly in rural areas. If ICTs are to be used in the educational system and be truly effective, monitoring and evaluation must be prioritised. It is essential to close the prevalent urban-rural gap when it comes to access, equity, and resource distribution.

References

 Aithal, P. S. and Aithal, Shubhrajyotsna, Analysis of Higher Education in Indian National Education Policy Proposal 2019 and Its Implementation Challenges (July 9, 2019). International Journal of Applied Engineering and Management Letters (IJAEML), 3(2), 1-35. (2019). ISSN: 2581-7000., Available at SSRN: https://ssrn.com/abstract=3417517 or http://dx.doi.org/10.2139/ssrn.3417517
 Chandra, Abhilash, NATIONAL EDUCATION POLICY 2020: A CRITICALLY ANALYSED SPECTRUM TO HIGHER EDUCATION (October 14, 2021). Available at SSRN:

https://ssrn.com/abstract=3942912 or http://dx.doi.org/10.2139/ssrn.3942912

3. Gupta, Pratibha Bundela and Gupta, B L, National Education Policy 2020 – Roles and Competency Framework for Academic Leaders (February 5, 2022). Proceedings of the International Conference on Best Innovative Teaching Strategies (ICON-BITS 2021), Available

at SSRN: https://ssrn.com/abstract=4027418 or http://dx.doi.org/10.2139/ssrn.4027418 4. Kumar, Deep and Singh, Madhu, National Education Policy 2020 Making Education more Inclusive for Children with Special Needs (August 10, 2022). IJNRD 2022, Available at SSRN: https://ssrn.com/abstract=4186442 5. Kundu, Arnab. (2018). A Study on Indian Teachers' Roles and Willingness to Accept Educational Technology. 10.13140/RG.2.2.24762.31687. 6. Kundu, Arnab. (2018). Barriers to Utilizing ICT in Education in India with a Special Focus on Rural Areas. 10.13140/RG.2.2.14437.73449. 7. M, Shashidharan and Bansal, Rajni and Hothi, Dr B S and Athavale, Vijay Anant and Mahajan, Yogesh and Anwar, Shameem, A Review on National Education Policy 2020 and Its Influence on Academics (October 11, 2021). Journal of Legal, Ethical and Regulatory Issues 2021, Available at SSRN: https://ssrn.com/abstract=3968296 8. Majid, I. & amp; Kouser, S. (2020). Indian Higher Education from the Lens of National Policy of Education (1986) and National Policy on Education (2016): A Comparative Study. Parishodh Journal, IX(III), 1152-1166., Available at SSRN: https://ssrn.com/abstract=4037068 9. Nand, Ramanand, National Education Policy-2020 and Marginals: A Primer (December 22, 2020). National Education Policy 2020 and Marginals https://www.cprgindia.org/pdf/national-education-policy-2020-and-marginals.pdf, Available at SSRN: https://ssrn.com/abstract=3947658 or http://dx.doi.org/10.2139/ssrn.3947658 10. Puri, Natasha, A Review of the National Education Policy of the Government of India - The Need for Data and Dynamism in the 21st Century (August 30, 2019). Available at SSRN: https://ssrn.com/abstract=3472247 or http://dx.doi.org/10.2139/ssrn.3472247 11. Samtani, Shubh and Bhagavatula, Suresh, National Education Policy (NEP) 2020: A necessary investment for India's education imperatives (Jan 15, 2022). Available at SSRN: https://ssrn.com/abstract=4061748 or http://dx.doi.org/10.2139/ssrn.4061748 12. Shetty, Kashvi and Mishra, Pranjal, India's New Policy Progresses Towards Integrating AI with Education (December 1, 2020). Available at SSRN: https://ssrn.com/abstract=3881747 or http://dx.doi.org/10.2139/ssrn.3881747 13. T I, Manish, Outcome Based Education and its Relevance in National Education Policy (January 20, 2023). Available at SSRN: https://ssrn.com/abstract=4331554 14. Thakran, A., & amp; Sharma, R. (2016). Meeting the challenges of higher education in India through Open Educational Resources: Policies, practices, and implications. education policy analysis archives, 24, 37., Available at SSRN: https://ssrn.com/abstract=3149241